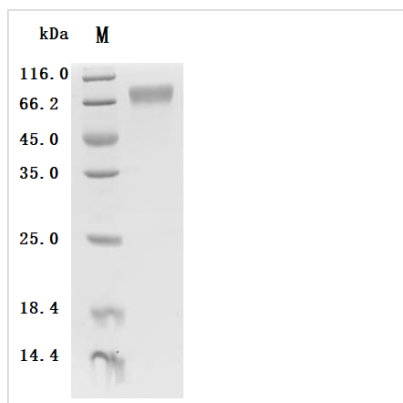


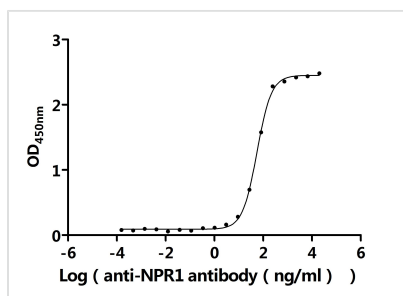


Recombinant *Macaca fascicularis* Atrial natriuretic peptide receptor 1 (NPR1), partial (Active)

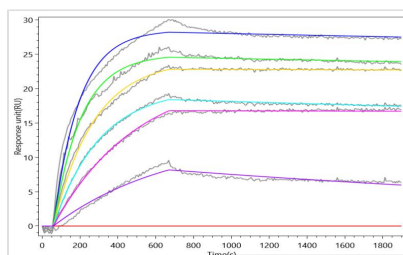
Product Code	CSB-MP016023MOV
Abbreviation	Recombinant <i>Cynomolgus</i> monkey NPR1 protein, partial (Active)
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	XP_005541809.1
Form	Lyophilized powder
Storage Buffer	Lyophilized from a 0.2 µm sterile filtered PBS, 6% Trehalose, pH 7.4
Product Type	Recombinant Protein
Immunogen Species	<i>Macaca fascicularis</i> (Crab-eating macaque) (<i>Cynomolgus</i> monkey)
Biological Activity	<p>① Measured by its binding ability in a functional ELISA. Immobilized <i>Macaca fascicularis</i> NPR1 at 2 µg/mL can bind Anti-NPR1 recombinant antibody (CSB-RA016023MA3HU). The EC50 is 50.25-61.60 ng/mL.</p> <p>② NPR1 Recombinant Monoclonal Antibody (CSB-RA016023MA3HU) captured on Protein A Chip can bind <i>Macaca fascicularis</i> NPR1 with an affinity constant of 1.46 nM as detected by MetaSPR Assay (WeSPRTM 200).</p>
Purity	<p>≥ 95% as determined by SDS-PAGE.</p> <p>≥ 90% as determined by SEC-HPLC.</p>
Sequence	<p>GNLTVAVVLPLANTSYPWSWARVGPVELALARVKARPDLLPGWTVRTLGLS SENALGVCSDTAAPLAAVDLKWEHNPA AFLGPGCVYAAAPVGRFTAHRVPL LTAGAPALGFGVKDEYALTTRAGPSYAKLGDFVAALHRRLGWERQALMLYAY RPGDEEHCFLLVEGLFMRVRDRLNITVDHLEFAEDDLSHYTRLLRTMPRKGRV IYICSSPDAFRTLMLLALEAGLCGEDYVFFHLDIFGQSLQGGQGPAPRRPWER GDGQDVSARQAFQAAKIITYKEPDNPEYLEFLKQLKHLAREQFNFTMEDGLVN TIPASFHDGLLLYIQAVTETLAHGGTVTDGENITQRMWNRSFQGVGTGYLKIDSS GDRETD FSLWMDMPETGAFRVVLNYNGTSQELVAVSGRKLNWPLGYPPPDIP KCGFDNEDPACNQDHLSTLE</p>
Source	Mammalian cell
Target Names	NPR1
Expression Region	33-473aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	C-terminal 10xHis-tagged
Mol. Weight	50.3 kDa


Protein Length
Partial
Image


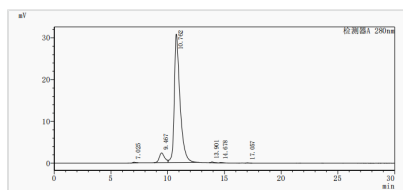
(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.



Activity
Measured by its binding ability in a functional ELISA. Immobilized *Macaca fascicularis* NPR1 at 2 µg/ml can bind Anti-NPR1 recombinant antibody (CSB-RA016023MA3HU). The EC₅₀ is 50.25-61.60 ng/mL.



Activity
NPR1 Recombinant Monoclonal Antibody (CSB-RA016023MA3HU) captured on Protein A Chip can bind *Macaca fascicularis* NPR1 with an affinity constant of 1.46 nM as detected by MetaSPR Assay (WeSPRTM 200).



The purity of NPR1 was greater than 90% as determined by SEC-HPLC

Endotoxin

Less than 1.0 EU/ug as determined by LAL method.

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.